

Paula Marques Alves

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

324
papers

9,139
citations

50
h-index

75
g-index

339
ext. papers

10,510
ext. citations

5
avg, IF

6.1
L-index

#	Paper	IF	Citations
324	Population homogeneity for the antibody response to COVID-19 BNT162b2/Comirnaty vaccine is only reached after the second dose across all adult age ranges.. <i>Nature Communications</i> , 2022 , 13, 140	17.4	2
323	Leveraging rAAV bioprocess understanding and next generation bioanalytics development.. <i>Current Opinion in Biotechnology</i> , 2022 , 74, 271-277	11.4	1
322	Bioanalytics for Influenza Virus-Like Particle Characterization and Process Monitoring.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022 , 10, 805176	5.8	0
321	Bioactivity and miRNome Profiling of Native Extracellular Vesicles in Human Induced Pluripotent Stem Cell-Cardiomyocyte Differentiation.. <i>Advanced Science</i> , 2022 , e2104296	13.6	2
320	Translation of liver stage activity of M5717, a Plasmodium γ -elongation factor 2 inhibitor: from bench to bedside.. <i>Malaria Journal</i> , 2022 , 21, 151	3.6	
319	Capturing the third dimension in drug discovery: Spatially-resolved tools for interrogation of complex 3D cell models. <i>Biotechnology Advances</i> , 2021 , 107883	17.8	1
318	Functionalizing Ferritin Nanoparticles for Vaccine Development. <i>Pharmaceutics</i> , 2021 , 13,	6.4	5
317	Interindividual heterogeneity affects the outcome of human cardiac tissue decellularization. <i>Scientific Reports</i> , 2021 , 11, 20834	4.9	4
316	Production of high-quality SARS-CoV-2 antigens: Impact of bioprocess and storage on glycosylation, biophysical attributes, and ELISA serologic tests performance. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 2202-2219	4.9	8
315	Online monitoring of hiPSC expansion and hepatic differentiation in 3D culture by dielectric spectroscopy. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 3610-3617	4.9	4
314	Integrating high cell density cultures with adapted laboratory evolution for improved Gag-HA virus-like particles production in stable insect cell lines. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 2536-2547	4.9	1
313	Bioengineered Liver Cell Models of Hepatotropic Infections. <i>Viruses</i> , 2021 , 13,	6.2	3
312	Oncolytic virus purification with periodic counter-current chromatography. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 3522-3532	4.9	1
311	A Roadmap to Cardiac Tissue-Engineered Construct Preservation: Insights from Cells, Tissues, and Organs. <i>Advanced Materials</i> , 2021 , 33, e2008517	24	2
310	Improved storage of influenza HA-VLPs using a trehalose-glycerol natural deep eutectic solvent system. <i>Vaccine</i> , 2021 , 39, 3279-3286	4.1	1
309	Next generation of heart regenerative therapies: progress and promise of cardiac tissue engineering. <i>Npj Regenerative Medicine</i> , 2021 , 6, 30	15.8	15
308	Proteomic and Glyco(proteo)mic tools in the profiling of cardiac progenitors and pluripotent stem cell derived cardiomyocytes: Accelerating translation into therapy. <i>Biotechnology Advances</i> , 2021 , 49, 107755	17.8	3

307	3D-printed ordered bed structures for chromatographic purification of enveloped and non-enveloped viral particles. <i>Separation and Purification Technology</i> , 2021 , 254, 117681	8.3	12
306	Advances in Lentivirus Purification. <i>Biotechnology Journal</i> , 2021 , 16, e2000019	5.6	10
305	Human Extracellular-Matrix Functionalization of 3D hiPSC-Based Cardiac Tissues Improves Cardiomyocyte Maturation.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 1888-1899	4.1	7
304	Stem cells characterization: OMICS reinforcing analytics. <i>Current Opinion in Biotechnology</i> , 2021 , 71, 175-184	11.1	1
303	Baculovirus affinity removal in viral-based bioprocesses. <i>Separation and Purification Technology</i> , 2020 , 241, 116693	8.3	3
302	Establishing Suspension Cell Cultures for Improved Manufacturing of Oncolytic Adenovirus. <i>Biotechnology Journal</i> , 2020 , 15, e1900411	5.6	2
301	A Flow-Through Chromatographic Strategy for Hepatitis C Virus-Like Particles Purification. <i>Processes</i> , 2020 , 8, 85	2.9	3
300	Holographic Imaging of Insect Cell Cultures: Online Non-Invasive Monitoring of Adeno-Associated Virus Production and Cell Concentration. <i>Processes</i> , 2020 , 8, 487	2.9	7
299	3D-3-Culture: Tumor Models to Study Heterotypic Interactions in the Tumor Microenvironment. <i>Methods in Pharmacology and Toxicology</i> , 2020 , 117-130	1.1	1
298	Adaptive laboratory evolution of stable insect cell lines for improved HIV-Gag VLPs production. <i>Journal of Biotechnology</i> , 2020 , 307, 139-147	3.7	7
297	Current challenges in biotherapeutic particles manufacturing. <i>Expert Opinion on Biological Therapy</i> , 2020 , 20, 451-465	5.4	34
296	Toward a Microencapsulated 3D hiPSC-Derived Cardiac Microtissue for Recapitulation of Human Heart Microenvironment Features. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 580744	5.8	6
295	Improving Influenza HA-VLPs Production in Insect High Five Cells via Adaptive Laboratory Evolution. <i>Vaccines</i> , 2020 , 8,	5.3	4
294	Dielectric Spectroscopy to Improve the Production of rAAV Used in Gene Therapy. <i>Processes</i> , 2020 , 8, 1456	2.9	4
293	A novel culture method that sustains ER β signaling in human breast cancer tissue microstructures. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020 , 39, 161	12.8	9
292	Bioreactor-based 3D human myocardial ischemia/reperfusion in vitro model: a novel tool to unveil key paracrine factors upon acute myocardial infarction. <i>Translational Research</i> , 2020 , 215, 57-74	11	17
291	Unveiling dynamic metabolic signatures in human induced pluripotent and neural stem cells. <i>PLoS Computational Biology</i> , 2020 , 16, e1007780	5	3
290	Pseudotyping retrovirus like particles vaccine candidates with Hepatitis C virus envelope protein E2 requires the cellular expression of CD81. <i>AMB Express</i> , 2019 , 9, 22	4.1	4

289	Flexible 3D Cell-Based Platforms for the Discovery and Profiling of Novel Drugs Targeting Hepatic Infection. <i>ACS Infectious Diseases</i> , 2019 , 5, 1831-1842	5.5	14
288	Unveiling the molecular crosstalk in a human induced pluripotent stem cell-derived cardiac model. <i>Biotechnology and Bioengineering</i> , 2019 , 116, 1245-1252	4.9	15
287	Evaluation of AAV-mediated delivery of shRNA to target basal-like breast cancer genetic vulnerabilities. <i>Journal of Biotechnology</i> , 2019 , 300, 70-77	3.7	8
286	Detection and Quantification of Label-Free Infectious Adenovirus Using a Switch-On Cell-Based Fluorescent Biosensor. <i>ACS Sensors</i> , 2019 , 4, 1654-1661	9.2	13
285	Membrane-Based Approach for the Downstream Processing of Influenza Virus-Like Particles. <i>Biotechnology Journal</i> , 2019 , 14, e1800570	5.6	21
284	Exosome-based therapeutics: Purification using semi-continuous multi-column chromatography. <i>Separation and Purification Technology</i> , 2019 , 224, 515-523	8.3	14
283	Human cardiac progenitor cell activation and regeneration mechanisms: exploring a novel myocardial ischemia/reperfusion in vitro model. <i>Stem Cell Research and Therapy</i> , 2019 , 10, 77	8.3	26
282	Definition of a cell surface signature for human cardiac progenitor cells after comprehensive comparative transcriptomic and proteomic characterization. <i>Scientific Reports</i> , 2019 , 9, 4647	4.9	11
281	Scalable Culture Strategies for the Expansion of Patient-Derived Cancer Stem Cell Lines. <i>Stem Cells International</i> , 2019 , 2019, 8347595	5	2
280	Efficient filtration strategies for the clarification of influenza virus-like particles derived from insect cells. <i>Separation and Purification Technology</i> , 2019 , 218, 81-88	8.3	15
279	Enhancing Hepatitis C virus pseudoparticles infectivity through p7NS2 cellular expression. <i>Journal of Virological Methods</i> , 2019 , 274, 113714	2.6	5
278	Process intensification for Peste des Petites Ruminants Virus vaccine production. <i>Vaccine</i> , 2019 , 37, 7041-7051	4	14
277	Enabling PAT in insect cell bioprocesses: In situ monitoring of recombinant adeno-associated virus production by fluorescence spectroscopy. <i>Biotechnology and Bioengineering</i> , 2019 , 116, 2803-2814	4.9	11
276	Expansion of functional personalized cells with specific transgene combinations. <i>Nature Communications</i> , 2018 , 9, 994	17.4	21
275	3D-3-culture: A tool to unveil macrophage plasticity in the tumour microenvironment. <i>Biomaterials</i> , 2018 , 163, 185-197	15.6	107
274	Flexible pseudotyping of retrovirus using recombinase-mediated cassette exchange. <i>Biotechnology Letters</i> , 2018 , 40, 633-639	3	1
273	Polymethoxylated Flavones from Orange Peels Inhibit Cell Proliferation in a 3D Cell Model of Human Colorectal Cancer. <i>Nutrition and Cancer</i> , 2018 , 70, 257-266	2.8	20
272	Unveiling Human Cardiac Fibroblast Membrane Proteome. <i>Proteomics</i> , 2018 , 18, e1700446	4.8	6

271	Combining stable insect cell lines with baculovirus-mediated expression for multi-HA influenza VLP production. <i>Vaccine</i> , 2018 , 36, 3112-3123	4.1	20
270	Purification of influenza virus-like particles using sulfated cellulose membrane adsorbers. <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 1988-1996	3.5	21
269	Recapitulation of Human Neural Microenvironment Signatures in iPSC-Derived NPC 3D Differentiation. <i>Stem Cell Reports</i> , 2018 , 11, 552-564	8	40
268	A detection and quantification label-free tool to speed up downstream processing of model mucins. <i>PLoS ONE</i> , 2018 , 13, e0190974	3.7	10
267	3D Strategies for Expansion of Human Cardiac Stem/Progenitor Cells 2018 , 63-95		
266	RMCE-based insect cell platform to produce membrane proteins captured on HIV-1 Gag virus-like particles. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 655-666	5.7	10
265	Advancing manufacture of human mesenchymal stem cells therapies: technological challenges in cell bioprocessing and characterization. <i>Current Opinion in Chemical Engineering</i> , 2018 , 22, 226-235	5.4	5
264	Clinical-Grade Oncolytic Adenovirus Purification Using Polysorbate 20 as an Alternative for Cell Lysis. <i>Current Gene Therapy</i> , 2018 , 18, 366-374	4.3	12
263	Metabolic Maturation of Human Pluripotent Stem Cell-Derived Cardiomyocytes by Inhibition of HIF1 α and LDHA. <i>Circulation Research</i> , 2018 , 123, 1066-1079	15.7	98
262	Human cardiac stem cells inhibit lymphocyte proliferation through paracrine mechanisms that correlate with indoleamine 2,3-dioxygenase induction and activity. <i>Stem Cell Research and Therapy</i> , 2018 , 9, 290	8.3	10
261	Full-length human CCBE1 production and purification: leveraging bioprocess development for high quality glycosylation attributes and functionality. <i>Journal of Biotechnology</i> , 2018 , 285, 6-14	3.7	1
260	3D aggregate culture improves metabolic maturation of human pluripotent stem cell derived cardiomyocytes. <i>Biotechnology and Bioengineering</i> , 2018 , 115, 630-644	4.9	70
259	Quantification of Metabolic Rearrangements During Neural Stem Cells Differentiation into Astrocytes by Metabolic Flux Analysis. <i>Neurochemical Research</i> , 2017 , 42, 244-253	4.6	17
258	Three-dimensional co-culture of human hepatocytes and mesenchymal stem cells: improved functionality in long-term bioreactor cultures. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 2034-2045	4.4	51
257	Expansion of 3D human induced pluripotent stem cell aggregates in bioreactors: Bioprocess intensification and scaling-up approaches. <i>Journal of Biotechnology</i> , 2017 , 246, 81-93	3.7	54
256	Bioprocess integration for human mesenchymal stem cells: From up to downstream processing scale-up to cell proteome characterization. <i>Journal of Biotechnology</i> , 2017 , 248, 87-98	3.7	37
255	Universal label-free in-process quantification of influenza virus-like particles. <i>Biotechnology Journal</i> , 2017 , 12, 1700031	5.6	21
254	Flexible nanofilms coated with aligned piezoelectric microfibers preserve the contractility of cardiomyocytes. <i>Biomaterials</i> , 2017 , 139, 213-228	15.6	39

253	Dyospiros kaki phenolics inhibit colitis and colon cancer cell proliferation, but not gelatinase activities. <i>Journal of Nutritional Biochemistry</i> , 2017 , 46, 100-108	6.3	23
252	Drug screening in 3D in vitro tumor models: overcoming current pitfalls of efficacy read-outs. <i>Biotechnology Journal</i> , 2017 , 12, 1600505	5.6	60
251	CXCL6 is an important paracrine factor in the pro-angiogenic human cardiac progenitor-like cell secretome. <i>Scientific Reports</i> , 2017 , 7, 12490	4.9	28
250	Distinct carbon sources affect structural and functional maturation of cardiomyocytes derived from human pluripotent stem cells. <i>Scientific Reports</i> , 2017 , 7, 8590	4.9	103
249	Finding the design space of a filtration-based operation for the concentration of human pluripotent stem cells. <i>Journal of Membrane Science</i> , 2017 , 542, 399-407	9.6	3
248	Phosphoneurofilament heavy chain and vascular endothelial growth factor as cerebrospinal fluid biomarkers for ALS. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2017 , 18, 134-136	3.6	9
247	C-metabolic flux analysis of human adenovirus infection: Implications for viral vector production. <i>Biotechnology and Bioengineering</i> , 2017 , 114, 195-207	4.9	10
246	The role of host cell physiology in the productivity of the baculovirus-insect cell system: Fluxome analysis of <i>Trichoplusia ni</i> and <i>Spodoptera frugiperda</i> cell lines. <i>Biotechnology and Bioengineering</i> , 2017 , 114, 674-684	4.9	8
245	Human neuron-astrocyte 3D co-culture-based assay for evaluation of neuroprotective compounds. <i>Journal of Pharmacological and Toxicological Methods</i> , 2017 , 83, 72-79	1.7	14
244	Evaluation of helper-dependent canine adenovirus vectors in a 3D human CNS model. <i>Gene Therapy</i> , 2016 , 23, 86-94	4	13
243	Protective effects of a blueberry extract in acute inflammation and collagen-induced arthritis in the rat. <i>Biomedicine and Pharmacotherapy</i> , 2016 , 83, 1191-1202	7.5	28
242	Culturing Entrapped Stem Cells in Continuous Bioreactors 2016 , 201-226		
241	Effective Hypothermic Storage of Human Pluripotent Stem Cell-Derived Cardiomyocytes Compatible With Global Distribution of Cells for Clinical Applications and Toxicology Testing. <i>Stem Cells Translational Medicine</i> , 2016 , 5, 658-69	6.9	27
240	Validation of Bioreactor and Human-on-a-Chip Devices for Chemical Safety Assessment. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 856, 299-316	3.6	5
239	Functional metabolic interactions of human neuron-astrocyte 3D in vitro networks. <i>Scientific Reports</i> , 2016 , 6, 33285	4.9	15
238	Functional and phenotypic differences of pure populations of stem cell-derived astrocytes and neuronal precursor cells. <i>Glia</i> , 2016 , 64, 695-715	9	24
237	Carbon monoxide improves neuronal differentiation and yield by increasing the functioning and number of mitochondria. <i>Journal of Neurochemistry</i> , 2016 , 138, 423-35	6	18
236	Adaptable stirred-tank culture strategies for large scale production of multicellular spheroid-based tumor cell models. <i>Journal of Biotechnology</i> , 2016 , 221, 118-29	3.7	66

235	Tetraspanins displayed in retrovirus-derived virus-like particles and their immunogenicity. <i>Vaccine</i> , 2016 , 34, 1634-1641	4.1	11
234	Modelling the tumour microenvironment in long-term microencapsulated 3D co-cultures recapitulates phenotypic features of disease progression. <i>Biomaterials</i> , 2016 , 78, 50-61	15.6	80
233	In vitro expansion of human cardiac progenitor cells: exploring omics tools for characterization of cell-based allogeneic products. <i>Translational Research</i> , 2016 , 171, 96-110.e1-3	11	11
232	Improving washing strategies of human mesenchymal stem cells using negative mode expanded bed chromatography. <i>Journal of Chromatography A</i> , 2016 , 1429, 292-303	4.5	10
231	Immune-Complexed Adenovirus Induce AIM2-Mediated Pyroptosis in Human Dendritic Cells. <i>PLoS Pathogens</i> , 2016 , 12, e1005871	7.6	40
230	Paracrine effect of carbon monoxide - astrocytes promote neuroprotection through purinergic signaling in mice. <i>Journal of Cell Science</i> , 2016 , 129, 3178-88	5.3	12
229	Targeted supplementation design for improved production and quality of enveloped viral particles in insect cell-baculovirus expression system. <i>Journal of Biotechnology</i> , 2016 , 233, 34-41	3.7	13
228	Metabolic flux profiling of MDCK cells during growth and canine adenovirus vector production. <i>Scientific Reports</i> , 2016 , 6, 23529	4.9	10
227	Palmitoylation Strengthens Cholesterol-dependent Multimerization and Fusion Activity of Human Cytomegalovirus Glycoprotein B (gB). <i>Journal of Biological Chemistry</i> , 2016 , 291, 4711-22	5.4	8
226	Impact of Adenovirus infection in host cell metabolism evaluated by (1)H-NMR spectroscopy. <i>Journal of Biotechnology</i> , 2016 , 231, 16-23	3.7	8
225	Increased titer and reduced lactate accumulation in recombinant retrovirus production through the down-regulation of HIF1 and PDK. <i>Biotechnology and Bioengineering</i> , 2016 , 113, 150-62	4.9	8
224	Perfusion Stirred-Tank Bioreactors for 3D Differentiation of Human Neural Stem Cells. <i>Methods in Molecular Biology</i> , 2016 , 1502, 129-42	1.4	12
223	Conversion of Nonproliferating Astrocytes into Neurogenic Neural Stem Cells: Control by FGF2 and Interferon- γ . <i>Stem Cells</i> , 2016 , 34, 2861-2874	5.8	24
222	Bioorthogonal Strategy for Bioprocessing of Specific-Site-Functionalized Enveloped Influenza-Virus-Like Particles. <i>Bioconjugate Chemistry</i> , 2016 , 27, 2386-2399	6.3	15
221	Novel scalable 3D cell based model for in vitro neurotoxicity testing: Combining human differentiated neurospheres with gene expression and functional endpoints. <i>Journal of Biotechnology</i> , 2015 , 205, 82-92	3.7	21
220	Exploring analytical proteomics platforms toward the definition of human cardiac stem cells receptome. <i>Proteomics</i> , 2015 , 15, 1332-7	4.8	13
219	Exploring continuous and integrated strategies for the up- and downstream processing of human mesenchymal stem cells. <i>Journal of Biotechnology</i> , 2015 , 213, 97-108	3.7	38
218	Robust design of adenovirus purification by two-column, simulated moving-bed, size-exclusion chromatography. <i>Journal of Biotechnology</i> , 2015 , 213, 109-19	3.7	27

217	Human amniocyte-derived cells are a promising cell host for adenoviral vector production under serum-free conditions. <i>Biotechnology Journal</i> , 2015 , 10, 760-71	5.6	7
216	Single-step cloning-screening method: a new tool for developing and studying high-titer viral vector producer cells. <i>Gene Therapy</i> , 2015 , 22, 685-95	4	6
215	Impact of adenovirus life cycle progression on the generation of canine helper-dependent vectors. <i>Gene Therapy</i> , 2015 , 22, 40-9	4	5
214	CHK1 overexpression in T-cell acute lymphoblastic leukemia is essential for proliferation and survival by preventing excessive replication stress. <i>Oncogene</i> , 2015 , 34, 2978-90	9.2	51
213	HepaRG microencapsulated spheroids in DMSO-free culture: novel culturing approaches for enhanced xenobiotic and biosynthetic metabolism. <i>Archives of Toxicology</i> , 2015 , 89, 1347-58	5.8	41
212	Modeling human neural functionality in vitro: three-dimensional culture for dopaminergic differentiation. <i>Tissue Engineering - Part A</i> , 2015 , 21, 654-68	3.9	33
211	Canine helper-dependent vectors production: implications of Cre activity and co-infection on adenovirus propagation. <i>Scientific Reports</i> , 2015 , 5, 9135	4.9	3
210	Production of oncolytic adenovirus and human mesenchymal stem cells in a single-use, Vertical-Wheel bioreactor system: Impact of bioreactor design on performance of microcarrier-based cell culture processes. <i>Biotechnology Progress</i> , 2015 , 31, 1600-12	2.8	41
209	Viral vaccines and their manufacturing cell substrates: New trends and designs in modern vaccinology. <i>Biotechnology Journal</i> , 2015 , 10, 1329-44	5.6	31
208	Extracellular Vesicles from Ovarian Carcinoma Cells Display Specific Glycosignatures. <i>Biomolecules</i> , 2015 , 5, 1741-61	5.9	49
207	Transcriptional Response of Human Neurospheres to Helper-Dependent CAV-2 Vectors Involves the Modulation of DNA Damage Response, Microtubule and Centromere Gene Groups. <i>PLoS ONE</i> , 2015 , 10, e0133607	3.7	7
206	Production of canine adenovirus type 2 in serum-free suspension cultures of MDCK cells. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 7059-68	5.7	5
205	Robust Expansion of Human Pluripotent Stem Cells: Integration of Bioprocess Design With Transcriptomic and Metabolomic Characterization. <i>Stem Cells Translational Medicine</i> , 2015 , 4, 731-42	6.9	30
204	Rational development of two flowthrough purification strategies for adenovirus type 5 and retro virus-like particles. <i>Journal of Chromatography A</i> , 2015 , 1426, 91-101	4.5	14
203	Improving the downstream processing of vaccine and gene therapy vectors with continuous chromatography. <i>Pharmaceutical Bioprocessing</i> , 2015 , 3, 489-505		10
202	Filtration methodologies for the clarification and concentration of human mesenchymal stem cells. <i>Journal of Membrane Science</i> , 2015 , 478, 117-129	9.6	31
201	A multi-organ chip co-culture of neurospheres and liver equivalents for long-term substance testing. <i>Journal of Biotechnology</i> , 2015 , 205, 36-46	3.7	113
200	Stem cell-derived systems in toxicology assessment. <i>Stem Cells and Development</i> , 2015 , 24, 1284-96	4.4	41

199	Improved virus purification processes for vaccines and gene therapy. <i>Biotechnology and Bioengineering</i> , 2015 , 112, 843-57	4.9	77
198	Establishing Liver Bioreactors for In Vitro Research. <i>Methods in Molecular Biology</i> , 2015 , 1250, 189-202	1.4	2
197	Metabolic Flux Analysis: A Powerful Tool in Animal Cell Culture. <i>Cell Engineering</i> , 2015 , 521-539		2
196	Cell Immobilization for the Production of Viral Vaccines. <i>Cell Engineering</i> , 2015 , 541-563		1
195	Metabolic profiling of insect cell lines: Unveiling cell line determinants behind systemS productivity. <i>Biotechnology and Bioengineering</i> , 2014 , 111, 816-28	4.9	15
194	Production of rotavirus core-like particles in Sf9 cells using recombinase-mediated cassette exchange. <i>Journal of Biotechnology</i> , 2014 , 171, 34-8	3.7	6
193	Scalable production of adenovirus vectors. <i>Methods in Molecular Biology</i> , 2014 , 1089, 175-96	1.4	9
192	Cellular targets for improved manufacturing of virus-based biopharmaceuticals in animal cells. <i>Trends in Biotechnology</i> , 2014 , 32, 602-7	15.1	18
191	Combining hypoxia and bioreactor hydrodynamics boosts induced pluripotent stem cell differentiation towards cardiomyocytes. <i>Stem Cell Reviews and Reports</i> , 2014 , 10, 786-801	6.4	54
190	Towards real-time monitoring of therapeutic protein quality in mammalian cell processes. <i>Current Opinion in Biotechnology</i> , 2014 , 30, 161-7	11.4	49
189	Metabolic responses of CHO cells to limitation of key amino acids. <i>Biotechnology and Bioengineering</i> , 2014 , 111, 2095-106	4.9	54
188	Elucidating how the saprophytic fungus <i>Aspergillus nidulans</i> uses the plant polyester suberin as carbon source. <i>BMC Genomics</i> , 2014 , 15, 613	4.5	21
187	Insect cell line development using FLP-mediated cassette exchange technology. <i>Methods in Molecular Biology</i> , 2014 , 1104, 15-27	1.4	4
186	Testing a new formulation for Peste des Petits Ruminants vaccine in Ethiopia. <i>Vaccine</i> , 2014 , 32, 2878-81	4.1	13
185	Impact of grafting on the design of new membrane adsorbers for adenovirus purification. <i>Journal of Biotechnology</i> , 2014 , 181, 1-11	3.7	16
184	Adenovirus purification by two-column, size-exclusion, simulated countercurrent chromatography. <i>Journal of Chromatography A</i> , 2014 , 1347, 111-21	4.5	38
183	Imaging of human differentiated 3D neural aggregates using light sheet fluorescence microscopy. <i>Frontiers in Cellular Neuroscience</i> , 2014 , 8, 221	6.1	33
182	Production of complex virus-like particles in insect cells 2014 , 120-134		

181	Enhanced expression of full-length human cytomegalovirus fusion protein in non-swelling baculovirus-infected cells with a minimal fed-batch strategy. <i>PLoS ONE</i> , 2014 , 9, e90753	3.7	7
180	Evaluation of novel large cut-off ultrafiltration membranes for adenovirus serotype 5 (Ad5) concentration. <i>PLoS ONE</i> , 2014 , 9, e115802	3.7	15
179	Metabolic Flux Analysis Tools to Investigate Brain Metabolism In Vitro. <i>Neuromethods</i> , 2014 , 107-144	0.4	2
178	^1H -NMR protocol for exometabolome analysis of cultured mammalian cells. <i>Methods in Molecular Biology</i> , 2014 , 1104, 237-47	1.4	7
177	Bioprocessing of Human Pluripotent Stem Cells for Cell Therapy Applications. <i>Cell Engineering</i> , 2014 , 71-95		
176	Bioprocess development for canine adenovirus type 2 vectors. <i>Gene Therapy</i> , 2013 , 20, 353-60	4	34
175	^{23}Na multiple quantum filtered NMR characterisation of Na^+ binding and dynamics in animal cells: a comparative study and effect of Na^+/Li^+ competition. <i>European Biophysics Journal</i> , 2013 , 42, 503-19	1.9	8
174	Evaluation of the impact of matrix stiffness on encapsulated HepaRG spheroids. <i>BMC Proceedings</i> , 2013 , 7, P77	2.3	78
173	^1H -NMR spectroscopy for human 3D neural stem cell cultures metabolic profiling. <i>BMC Proceedings</i> , 2013 , 7, O8	2.3	1
172	A cell sorting protocol for selecting high-producing sub-populations of Sf9 and High Five cells. <i>Journal of Biotechnology</i> , 2013 , 168, 436-9	3.7	11
171	Metabolic pathways recruited in the production of a recombinant enveloped virus: mining targets for process and cell engineering. <i>Metabolic Engineering</i> , 2013 , 20, 131-45	9.7	20
170	Proteomic alterations induced by ionic liquids in <i>Aspergillus nidulans</i> and <i>Neurospora crassa</i> . <i>Journal of Proteomics</i> , 2013 , 94, 262-78	3.9	16
169	Insect cells as a production platform of complex virus-like particles. <i>Expert Review of Vaccines</i> , 2013 , 12, 225-36	5.2	60
168	Carboxylesterase 2 production and characterization in human cells: new insights into enzyme oligomerization and activity. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 1161-73	5.7	7
167	Metabolic signatures of GS-CHO cell clones associated with butyrate treatment and culture phase transition. <i>Biotechnology and Bioengineering</i> , 2013 , 110, 3244-57	4.9	64
166	Neuroprotective effects of digested polyphenols from wild blackberry species. <i>European Journal of Nutrition</i> , 2013 , 52, 225-36	5.2	53
165	Impact of E1 and Cre on adenovirus vector amplification: developing MDCK CAV-2-E1 and E1-Cre transcomplementing cell lines. <i>PLoS ONE</i> , 2013 , 8, e60342	3.7	12
164	Process engineering of human pluripotent stem cells for clinical application. <i>Trends in Biotechnology</i> , 2012 , 30, 350-9	15.1	228

163	Proteomic analyses of Ehrlichia ruminantium highlight differential expression of MAP1-family proteins. <i>Veterinary Microbiology</i> , 2012 , 156, 305-14	3.3	13
162	Preconditioning triggered by carbon monoxide (CO) provides neuronal protection following perinatal hypoxia-ischemia. <i>PLoS ONE</i> , 2012 , 7, e42632	3.7	34
161	Systems biotechnology of animal cells: the road to prediction. <i>Trends in Biotechnology</i> , 2012 , 30, 377-85	15.1	35
160	3D cultures of human neural progenitor cells: dopaminergic differentiation and genetic modification. [corrected]. <i>Methods</i> , 2012 , 56, 452-60	4.6	37
159	How can measurement, monitoring, modeling and control advance cell culture in industrial biotechnology?. <i>Biotechnology Journal</i> , 2012 , 7, 1522-9	5.6	47
158	Three-dimensional HepaRG model as an attractive tool for toxicity testing. <i>Toxicological Sciences</i> , 2012 , 130, 106-16	4.4	74
157	Toward system-level understanding of baculovirus-host cell interactions: from molecular fundamental studies to large-scale proteomics approaches. <i>Frontiers in Microbiology</i> , 2012 , 3, 391	5.7	30
156	Human liver cell spheroids in extended perfusion bioreactor culture for repeated-dose drug testing. <i>Hepatology</i> , 2012 , 55, 1227-36	11.2	165
155	Adaptation of retrovirus producer cells to serum deprivation: Implications in lipid biosynthesis and vector production. <i>Biotechnology and Bioengineering</i> , 2012 , 109, 1269-79	4.9	8
154	Flipase-mediated cassette exchange in Sf9 insect cells for stable gene expression. <i>Biotechnology and Bioengineering</i> , 2012 , 109, 2836-44	4.9	28
153	Surface-based cryopreservation strategies for human embryonic stem cells: a comparative study. <i>Biotechnology Progress</i> , 2012 , 28, 1079-87	2.8	15
152	Neuroprotective effect of blackberry (<i>Rubus</i> sp.) polyphenols is potentiated after simulated gastrointestinal digestion. <i>Food Chemistry</i> , 2012 , 131, 1443-1452	8.5	88
151	On the effect of thermodynamic equilibrium on the assembly efficiency of complex multi-layered virus-like particles (VLP): the case of rotavirus VLP. <i>PLoS Computational Biology</i> , 2012 , 8, e1002367	5	15
150	Downstream processing of lentiviral vectors: releasing bottlenecks. <i>Human Gene Therapy Methods</i> , 2012 , 23, 255-63	4.9	53
149	Carbon monoxide modulates apoptosis by reinforcing oxidative metabolism in astrocytes: role of Bcl-2. <i>Journal of Biological Chemistry</i> , 2012 , 287, 10761-70	5.4	78
148	Development of a Manufacturing Process for the Production of a Canine Adenovirus Type 2 (CAV-2) Vector Using MDCK Cells 2012 , 671-674		1
147	The Role of Culture Medium Lipids and Lipid Metabolism in Retroviral Vector Production Under Serum Deprivation 2012 , 705-712		
146	An Insight into the Physiology of Insect Cells: The Role of Energetic Metabolism on the Cell Density Effect 2012 , 299-305		

145	The role of glia in neuronal recovery following anoxia: In vitro evidence of neuronal adaptation. <i>Neurochemistry International</i> , 2011 , 58, 665-75	4.4	15
144	An initiative to manufacture and characterize baculovirus reference material. <i>Journal of Invertebrate Pathology</i> , 2011 , 107 Suppl, S113-7	2.6	9
143	Large-scale production and purification of VLP-based vaccines. <i>Journal of Invertebrate Pathology</i> , 2011 , 107 Suppl, S42-8	2.6	162
142	Quality control and analytical methods for baculovirus-based products. <i>Journal of Invertebrate Pathology</i> , 2011 , 107 Suppl, S94-105	2.6	15
141	Strategies for improved stability of Peste des Petits Ruminants Vaccine. <i>Vaccine</i> , 2011 , 29, 4983-91	4.1	23
140	Merging bioreactor technology with 3D hepatocyte-fibroblast culturing approaches: Improved in vitro models for toxicological applications. <i>Toxicology in Vitro</i> , 2011 , 25, 825-32	3.6	43
139	Modulation of neuronal stem cell differentiation by hypoxia and reactive oxygen species. <i>Progress in Neurobiology</i> , 2011 , 93, 444-55	10.9	130
138	Toward preclinical predictive drug testing for metabolism and hepatotoxicity by using in vitro models derived from human embryonic stem cells and human cell lines - a report on the Vitrocellomics EU-project. <i>ATLA Alternatives To Laboratory Animals</i> , 2011 , 39, 147-71	2.1	34
137	A comprehensive metabolic profile of cultured astrocytes using isotopic transient metabolic flux analysis and C-labeled glucose. <i>Frontiers in Neuroenergetics</i> , 2011 , 3, 5		31
136	Microencapsulation technology: a powerful tool for integrating expansion and cryopreservation of human embryonic stem cells. <i>PLoS ONE</i> , 2011 , 6, e23212	3.7	127
135	Production and purification of lentiviral vectors generated in 293T suspension cells with baculoviral vectors. <i>Gene Therapy</i> , 2011 , 18, 531-8	4	47
134	Rational design and optimization of downstream processes of virus particles for biopharmaceutical applications: current advances. <i>Biotechnology Advances</i> , 2011 , 29, 869-78	17.8	52
133	Improvement of lentiviral transfer vectors using cis-acting regulatory elements for increased gene expression. <i>Applied Microbiology and Biotechnology</i> , 2011 , 91, 1581-91	5.7	7
132	Hybrid metabolic flux analysis: combining stoichiometric and statistical constraints to model the formation of complex recombinant products. <i>BMC Systems Biology</i> , 2011 , 5, 34	3.5	31
131	Cell functional enviromics: unravelling the function of environmental factors. <i>BMC Systems Biology</i> , 2011 , 5, 92	3.5	15
130	Fluorescence-based tools to improve biopharmaceutical process development. <i>BMC Proceedings</i> , 2011 , 5 Suppl 8, O5	2.3	
129	Towards human central nervous system in vitro models for preclinical research: strategies for 3D neural cell culture. <i>BMC Proceedings</i> , 2011 , 5 Suppl 8, P53	2.3	4
128	Down-regulation of CD81 in human cells producing HCV-E1/E2 retroVLPs. <i>BMC Proceedings</i> , 2011 , 5 Suppl 8, P72	2.3	3

127	Carbon monoxide prevents hepatic mitochondrial membrane permeabilization. <i>BMC Cell Biology</i> , 2011 , 12, 10		37
126	Estimation of intracellular fluxes in cerebellar neurons after hypoglycemia: importance of the pyruvate recycling pathway and glutamine oxidation. <i>Journal of Neuroscience Research</i> , 2011 , 89, 700-1044		26
125	Perfusion of 3D encapsulated hepatocytes--a synergistic effect enhancing long-term functionality in bioreactors. <i>Biotechnology and Bioengineering</i> , 2011 , 108, 41-9	4.9	65
124	Impact of ligand density on the optimization of ion-exchange membrane chromatography for viral vector purification. <i>Biotechnology and Bioengineering</i> , 2011 , 108, 1347-59	4.9	23
123	Synchronous fluorescence spectroscopy as a novel tool to enable PAT applications in bioprocesses. <i>Biotechnology and Bioengineering</i> , 2011 , 108, 1852-61	4.9	28
122	Down-regulation of CD81 tetraspanin in human cells producing retroviral-based particles: tailoring vector composition. <i>Biotechnology and Bioengineering</i> , 2011 , 108, 2623-33	4.9	8
121	High-throughput analysis of animal cell cultures using two-dimensional fluorometry. <i>Journal of Biotechnology</i> , 2011 , 151, 255-60	3.7	10
120	Processing cherries (<i>Prunus avium</i>) using supercritical fluid technology. Part 2. Evaluation of SCF extracts as promising natural chemotherapeutic agents. <i>Journal of Supercritical Fluids</i> , 2011 , 55, 1007-1013	4.2	30
119	Lentivirus production is influenced by SV40 large T-antigen and chromosomal integration of the vector in HEK293 cells. <i>Human Gene Therapy</i> , 2011 , 22, 1269-79	4.8	30
118	Quantitative proteomics of <i>Spodoptera frugiperda</i> cells during growth and baculovirus infection. <i>PLoS ONE</i> , 2011 , 6, e26444	3.7	27
117	Manufacturing of retroviruses. <i>Methods in Molecular Biology</i> , 2011 , 737, 157-82	1.4	
116	Metabolic alterations induced by ischemia in primary cultures of astrocytes: merging ¹³ C NMR spectroscopy and metabolic flux analysis. <i>Journal of Neurochemistry</i> , 2010 , 113, 735-48	6	34
115	Modelling of Neural Metabolism Using ¹³ C-NMR Spectroscopy and Metabolic Flux Analysis 2010 , 101-106		
114	Glutathionylation of adenine nucleotide translocase induced by carbon monoxide prevents mitochondrial membrane permeabilization and apoptosis. <i>Journal of Biological Chemistry</i> , 2010 , 285, 17077-88	5.4	107
113	Adenovirus vector production and purification. <i>Current Gene Therapy</i> , 2010 , 10, 437-55	4.3	29
112	Production of retroviral vectors: review. <i>Current Gene Therapy</i> , 2010 , 10, 456-73	4.3	24
111	Extending hepatocyte functionality for drug-testing applications using high-viscosity alginate-encapsulated three-dimensional cultures in bioreactors. <i>Tissue Engineering - Part C: Methods</i> , 2010 , 16, 1223-32	2.9	77
110	Retroviral vector performance in defined chromosomal Loci of modular packaging cell lines. <i>Human Gene Therapy</i> , 2010 , 21, 979-91	4.8	19

109	Alginate encapsulation as a novel strategy for the cryopreservation of neurospheres. <i>Tissue Engineering - Part C: Methods</i> , 2010 , 16, 965-77	2.9	45
108	Portuguese winemaking residues as a potential source of natural anti-adenoviral agents. <i>International Journal of Food Sciences and Nutrition</i> , 2010 , 61, 357-68	3.7	24
107	Monitoring virus-like particle and viral protein production by intact cell MALDI-TOF mass spectrometry. <i>Talanta</i> , 2010 , 80, 1561-8	6.2	18
106	Efficiency of inactivated vaccines against heartwater in Burkina Faso: impact of Ehrlichia ruminantium genetic diversity. <i>Vaccine</i> , 2010 , 28, 4573-80	4.1	20
105	Antioxidant properties and neuroprotective capacity of strawberry tree fruit (<i>Arbutus unedo</i>). <i>Nutrients</i> , 2010 , 2, 214-29	6.7	72
104	Virus-like particles in vaccine development. <i>Expert Review of Vaccines</i> , 2010 , 9, 1149-76	5.2	536
103	Improvement of recombinant protein production by an anti-apoptotic protein from hemolymph of <i>Lonomia obliqua</i> . <i>Cytotechnology</i> , 2010 , 62, 547-55	2.2	5
102	Analysis of adsorption of a baculovirus bioreaction bulk on an ion-exchange surface by surface plasmon resonance. <i>Journal of Biotechnology</i> , 2010 , 148, 171-81	3.7	8
101	Improving expansion of pluripotent human embryonic stem cells in perfused bioreactors through oxygen control. <i>Journal of Biotechnology</i> , 2010 , 148, 208-15	3.7	120
100	An integrated analysis of enzyme activities, cofactor pools and metabolic fluxes in baculovirus-infected <i>Spodoptera frugiperda</i> Sf9 cells. <i>Journal of Biotechnology</i> , 2010 , 150, 332-42	3.7	14
99	Modeling protein binding and elution over a chromatographic surface probed by surface plasmon resonance. <i>Journal of Chromatography A</i> , 2010 , 1217, 2032-41	4.5	15
98	Improving baculovirus production at high cell density through manipulation of energy metabolism. <i>Metabolic Engineering</i> , 2010 , 12, 39-52	9.7	69
97	Modeling electrostatic interactions of baculovirus vectors for ion-exchange process development. <i>Journal of Chromatography A</i> , 2010 , 1217, 3754-64	4.5	12
96	In Vitro Disassembly and Reassembly of Triple-Layered Rotavirus-Like Particles 2010 , 313-318		
95	Viability of the Human Adenocarcinoma Cell Line Caco-2: Influence of Cryoprotectant, Freezing Rate, and Storage Temperature. <i>Scientia Pharmaceutica</i> , 2009 , 77, 133-141	4.3	1
94	Thermosensitivity of the reverse transcription process as an inactivation mechanism of lentiviral vectors. <i>Human Gene Therapy</i> , 2009 , 20, 1168-76	4.8	12
93	Error assessment in recombinant baculovirus titration: evaluation of different methods. <i>Journal of Virological Methods</i> , 2009 , 159, 69-80	2.6	59
92	Advances in on-line monitoring and control of mammalian cell cultures: Supporting the PAT initiative. <i>Biotechnology Advances</i> , 2009 , 27, 726-732	17.8	156

91	Stabilization of gammaretroviral and lentiviral vectors: from production to gene transfer. <i>Journal of Gene Medicine</i> , 2009 , 11, 670-8	3.5	22
90	In situ 2D fluorometry and chemometric monitoring of mammalian cell cultures. <i>Biotechnology and Bioengineering</i> , 2009 , 102, 1098-106	4.9	72
89	Cell density effect in the baculovirus-insect cells system: a quantitative analysis of energetic metabolism. <i>Biotechnology and Bioengineering</i> , 2009 , 104, 162-80	4.9	83
88	Impact of physicochemical parameters on in vitro assembly and disassembly kinetics of recombinant triple-layered rotavirus-like particles. <i>Biotechnology and Bioengineering</i> , 2009 , 104, 674-86	4.9	20
87	Retroviral vector production under serum deprivation: The role of lipids. <i>Biotechnology and Bioengineering</i> , 2009 , 104, 1171-81	4.9	27
86	293 cell cycle synchronisation adenovirus vector production. <i>Biotechnology Progress</i> , 2009 , 25, 235-43	2.8	19
85	Baculovirus production for gene therapy: the role of cell density, multiplicity of infection and medium exchange. <i>Applied Microbiology and Biotechnology</i> , 2009 , 81, 1041-9	5.7	44
84	Integrating human stem cell expansion and neuronal differentiation in bioreactors. <i>BMC Biotechnology</i> , 2009 , 9, 82	3.5	37
83	Purification of recombinant baculoviruses for gene therapy using membrane processes. <i>Gene Therapy</i> , 2009 , 16, 766-75	4	73
82	Stirred bioreactors for the expansion of adult pancreatic stem cells. <i>Annals of Anatomy</i> , 2009 , 191, 104-15.9		26
81	The effect of the cell death suppressor vMIA on the production of a recombinant protein in the adenovirus-293 expression system. <i>Protein Expression and Purification</i> , 2009 , 64, 179-84	2	2
80	Cryopreservation of adherent cells: strategies to improve cell viability and function after thawing. <i>Tissue Engineering - Part C: Methods</i> , 2009 , 15, 373-86	2.9	32
79	Virus production for clinical gene therapy. <i>Methods in Molecular Biology</i> , 2009 , 542, 447-70	1.4	10
78	Towards an extended functional hepatocyte in vitro culture. <i>Tissue Engineering - Part C: Methods</i> , 2009 , 15, 157-67	2.9	66
77	Pre-conditioning induced by carbon monoxide provides neuronal protection against apoptosis. <i>Journal of Neurochemistry</i> , 2008 , 107, 375-84	6	71
76	Combining metabolic flux analysis tools and ¹³ C NMR to estimate intracellular fluxes of cultured astrocytes. <i>Neurochemistry International</i> , 2008 , 52, 478-86	4.4	23
75	Scalable culture systems using different cell lines for the production of Peste des Petits ruminants vaccine. <i>Vaccine</i> , 2008 , 26, 3305-11	4.1	25
74	Impact of retroviral vector components stoichiometry on packaging cell lines: effects on productivity and vector quality. <i>Human Gene Therapy</i> , 2008 , 19, 199-210	4.8	14

73	Kinetic analysis of L1 homophilic interaction: role of the first four immunoglobulin domains and implications on binding mechanism. <i>Journal of Biological Chemistry</i> , 2008 , 283, 28038-47	5.4	31
72	From retroviral vector production to gene transfer: spontaneous inactivation is caused by loss of reverse transcription capacity. <i>Journal of Gene Medicine</i> , 2008 , 10, 383-91	3.5	13
71	Removal of envelope protein-free retroviral vectors by anion-exchange chromatography to improve product quality. <i>Journal of Separation Science</i> , 2008 , 31, 3509-18	3.4	9
70	Towards purification of adenoviral vectors based on membrane technology. <i>Biotechnology Progress</i> , 2008 , 24, 1290-6	2.8	50
69	Improving retroviral vectors production: role of carbon sources in lipid biosynthesis. <i>Journal of Biotechnology</i> , 2008 , 138, 57-66	3.7	7
68	Purification of recombinant rotavirus VP7 glycoprotein for the study of in vitro rotavirus-like particles assembly. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008 , 874, 89-94	3.2	15
67	Anion-exchange membrane chromatography for purification of rotavirus-like particles. <i>Journal of Membrane Science</i> , 2008 , 311, 270-283	9.6	72
66	Synthesis, characterization and antitumor activity of 1,2-disubstituted ferrocenes and cyclodextrin inclusion complexes. <i>Journal of Organometallic Chemistry</i> , 2008 , 693, 675-684	2.3	36
65	Stochastic simulation of protein expression in the baculovirus/insect cells system. <i>Computers and Chemical Engineering</i> , 2008 , 32, 68-77	4	15
64	Sodium dodecyl sulfate-capillary gel electrophoresis analysis of rotavirus-like particles. <i>Journal of Chromatography A</i> , 2008 , 1192, 166-72	4.5	15
63	Cryopreservation in micro-volumes: impact upon Caco-2 colon adenocarcinoma cell proliferation and differentiation. <i>Biotechnology and Bioengineering</i> , 2007 , 98, 155-66	4.9	5
62	Scaleable purification process for gene therapy retroviral vectors. <i>Journal of Gene Medicine</i> , 2007 , 9, 233-43	3.5	31
61	Stirred vessel cultures of rat brain cells aggregates: characterization of major metabolic pathways and cell population dynamics. <i>Journal of Neuroscience Research</i> , 2007 , 85, 3386-97	4.4	14
60	Novel culture strategy for human stem cell proliferation and neuronal differentiation. <i>Journal of Neuroscience Research</i> , 2007 , 85, 3557-66	4.4	23
59	Purification by membrane technology of an intracellular Ehrlichia ruminantium candidate vaccine against heartwater. <i>Process Biochemistry</i> , 2007 , 42, 1084-1089	4.8	5
58	Hybrid elementary flux analysis/nonparametric modeling: application for bioprocess control. <i>BMC Bioinformatics</i> , 2007 , 8, 30	3.6	56
57	Effect of the purification process and the storage conditions on the efficacy of an inactivated vaccine against heartwater. <i>Vaccine</i> , 2007 , 25, 4903-13	4.1	14
56	Immunisation of sheep against heartwater in The Gambia using inactivated and attenuated Ehrlichia ruminantium vaccines. <i>Vaccine</i> , 2007 , 25, 7939-47	4.1	24

55	Production and purification of functional truncated soluble forms of human recombinant L1 cell adhesion glycoprotein from <i>Spodoptera frugiperda</i> Sf9 cells. <i>Protein Expression and Purification</i> , 2007 , 52, 182-93	2	13
54	Downstream processing of triple layered rotavirus like particles. <i>Journal of Biotechnology</i> , 2007 , 127, 452-61	3.7	85
53	Modeling rotavirus-like particles production in a baculovirus expression vector system: Infection kinetics, baculovirus DNA replication, mRNA synthesis and protein production. <i>Journal of Biotechnology</i> , 2007 , 128, 875-94	3.7	37
52	Effect of ammonia production on intracellular pH: Consequent effect on adenovirus vector production. <i>Journal of Biotechnology</i> , 2007 , 129, 433-8	3.7	18
51	Hybrid semi-parametric mathematical systems: bridging the gap between systems biology and process engineering. <i>Journal of Biotechnology</i> , 2007 , 132, 418-25	3.7	24
50	Purification of retroviral vectors for clinical application: biological implications and technological challenges. <i>Journal of Biotechnology</i> , 2007 , 127, 520-41	3.7	83
49	Process Development for a Veterinary Vaccine Against Heartwater Using Stirred Tanks 2007 , 643-648		
48	Effect of Vitamins or Lipids Addition on Adenovirus Production at High Cell Densities 2007 , 653-656		
47	Retrovirus producer cell line metabolism: implications on viral productivity. <i>Applied Microbiology and Biotechnology</i> , 2006 , 72, 1125-35	5.7	18
46	Intracellular dynamics in rotavirus-like particles production: Evaluation of multigene and monocistronic infection strategies. <i>Process Biochemistry</i> , 2006 , 41, 2188-2199	4.8	15
45	Purification of adenoviral vectors using expanded bed chromatography. <i>Journal of Virological Methods</i> , 2006 , 132, 121-6	2.6	31
44	Effect of medium sugar source on the production of retroviral vectors for gene therapy. <i>Biotechnology and Bioengineering</i> , 2006 , 94, 24-36	4.9	26
43	Effect of osmotic pressure on the production of retroviral vectors: Enhancement in vector stability. <i>Biotechnology and Bioengineering</i> , 2006 , 94, 322-9	4.9	28
42	Inhibitors of the alpha-ketoglutarate dehydrogenase complex alter [¹⁻¹³ C]glucose and [^{U-13} C]glutamate metabolism in cerebellar granule neurons. <i>Journal of Neuroscience Research</i> , 2006 , 83, 450-8	4.4	47
41	Relationship between retroviral vector membrane and vector stability. <i>Journal of General Virology</i> , 2006 , 87, 1349-1356	4.9	19
40	815. 293 FLEX a New Cell Line for Fast, Reproducible and Efficient Production of Retroviral Gene Therapy Vectors. <i>Molecular Therapy</i> , 2006 , 13, S316	11.7	2
39	Rotavirus-like particle production: Simulation of protein production and particle assembly. <i>Computer Aided Chemical Engineering</i> , 2006 , 1673-1678	0.6	
38	Encapsulation of adenoviral vectors into chitosan-bile salt microparticles for mucosal vaccination. <i>Journal of Biotechnology</i> , 2006 , 126, 152-62	3.7	38

37	Impact of the gliotoxin L-serine-O-sulphate on cellular metabolism in cultured rat astrocytes. <i>Neurochemistry International</i> , 2006 , 48, 739-45	4.4	2
36	Process development for the mass production of Ehrlichia ruminantium. <i>Vaccine</i> , 2006 , 24, 1716-25	4.1	19
35	Hybrid metabolic flux analysis/data-driven modelling of bioprocesses. <i>Computer Aided Chemical Engineering</i> , 2006 , 21, 1667-1672	0.6	1
34	Screening of novel excipients for improving the stability of retroviral and adenoviral vectors. <i>Biotechnology Progress</i> , 2006 , 22, 568-76	2.8	32
33	The importance of 293 cell cycle phase on adenovirus vector production. <i>Enzyme and Microbial Technology</i> , 2006 , 39, 1328-1332	3.8	13
32	Incorporation of a model protein into chitosan-bile salt microparticles. <i>International Journal of Pharmaceutics</i> , 2006 , 312, 119-30	6.5	20
31	Screening anion-exchange chromatographic matrices for isolation of onco-retroviral vectors. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006 , 837, 59-68 ³⁻²		38
30	Catalase effect on cell death for the improvement of recombinant protein production in baculovirus-insect cell system. <i>Bioprocess and Biosystems Engineering</i> , 2006 , 29, 409-14	3.7	6
29	Effect of MOI and Medium Composition on Adenovirus Infection Kinetics 2005 , 329-332		1
28	Effect of re-feed strategies and non-ammoniogenic medium on adenovirus production at high cell densities. <i>Journal of Biotechnology</i> , 2005 , 119, 272-80	3.7	40
27	Triple layered rotavirus VLP production: kinetics of vector replication, mRNA stability and recombinant protein production. <i>Journal of Biotechnology</i> , 2005 , 120, 72-82	3.7	71
26	Modelling and optimization of a recombinant BHK-21 cultivation process using hybrid grey-box systems. <i>Journal of Biotechnology</i> , 2005 , 118, 290-303	3.7	41
25	Use of adenoviral vectors as veterinary vaccines. <i>Gene Therapy</i> , 2005 , 12 Suppl 1, S73-83	4	62
24	Quantification of Ehrlichia ruminantium by real time PCR. <i>Veterinary Microbiology</i> , 2005 , 107, 273-8	3.3	21
23	Characterization of Ehrlichia ruminantium replication and release kinetics in endothelial cell cultures. <i>Veterinary Microbiology</i> , 2005 , 110, 87-96	3.3	17
22	Cultures of rat astrocytes challenged with a steady supply of glutamate: new model to study flux distribution in the glutamate-glutamine cycle. <i>Glia</i> , 2005 , 51, 286-96	9	33
21	Culturing primary brain astrocytes under a fully controlled environment in a novel bioreactor. <i>Journal of Neuroscience Research</i> , 2005 , 79, 26-32	4.4	22
20	Two different serum-free media and osmolality effect upon human 293 cell growth and adenovirus production. <i>Biotechnology Letters</i> , 2005 , 27, 1809-13	3	20

19	Hybrid metabolic flux analysis/artificial neural network modeling of bioprocesses 2005 ,		3
18	Quantitation of MLV-based retroviral vectors using real-time RT-PCR. <i>Journal of Virological Methods</i> , 2004 , 119, 115-9	2.6	31
17	Comparison of phenotypic and genotypic taxonomic methods for the identification of dairy enterococci. <i>Antonie Van Leeuwenhoek</i> , 2004 , 85, 237-52	2.1	26
16	Culture Methods for Mass Production of Ruminant Endothelial Cells. <i>ACS Symposium Series</i> , 2003 , 124-141	4	4
15	Metabolic changes during cell growth inhibition by the IRF-1 system. <i>Enzyme and Microbial Technology</i> , 2002 , 30, 95-109	3.8	11
14	Effect of ethanol on the metabolism of primary astrocytes studied by (13)C- and (31)P-NMR spectroscopy. <i>Journal of Neuroscience Research</i> , 2001 , 66, 803-11	4.4	14
13	NMR and Immobilized Cells 2001 , 123-138		2
12	Metabolic shifts do not influence the glycosylation patterns of a recombinant fusion protein expressed in BHK cells. <i>Biotechnology and Bioengineering</i> , 2000 , 69, 129-39	4.9	15
11	NMR studies on energy metabolism of immobilized primary neurons and astrocytes during hypoxia, ischemia and hypoglycemia. <i>NMR in Biomedicine</i> , 2000 , 13, 438-48	4.4	27
10	Effects of ammonia and lactate on growth, metabolism, and productivity of BHK cells. <i>Enzyme and Microbial Technology</i> , 2000 , 27, 43-52	3.8	113
9	Metabolism of 3-(13)C-malate in primary cultures of mouse astrocytes. <i>Developmental Neuroscience</i> , 2000 , 22, 456-62	2.2	16
8	Proteolytic activity in infected and noninfected insect cells: degradation of HIV-1 Pr55gag particles. <i>Biotechnology and Bioengineering</i> , 1999 , 65, 133-43	4.9	31
7	Two-dimensional versus three-dimensional culture systems: Effects on growth and productivity of BHK cells. <i>Biotechnology and Bioengineering</i> , 1996 , 52, 429-32	4.9	17
6	Immobilization of primary astrocytes and neurons for online monitoring of biochemical processes by NMR. <i>Developmental Neuroscience</i> , 1996 , 18, 478-83	2.2	18
5	Serum-free and serum-containing media for growth of suspended BHK aggregates in stirred vessels. <i>Enzyme and Microbial Technology</i> , 1995 , 17, 437-444	3.8	15
4	Lactate metabolism in mouse brain astrocytes studied by [13C]NMR spectroscopy. <i>NeuroReport</i> , 1995 , 6, 2201-4	1.7	27
3	Hydrodynamic effects on BHK cells grown as suspended natural aggregates. <i>Biotechnology and Bioengineering</i> , 1995 , 46, 351-60	4.9	52
2	Changes in animal cell natural aggregates in suspended batch cultures. <i>Applied Microbiology and Biotechnology</i> , 1994 , 41, 203-9	5.7	29

- 1 Expression of recombinant antibody and secreted alkaline phosphatase in mammalian cells. Influence of cell line and culture system upon production kinetics. *Applied Microbiology and Biotechnology*, **1994**, 40, 851-6 5.7 23